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ABSTRACT OF THE DISCLOSURE

In order to generate three-dimensional form data having characteristic lines desired by a user from original three-dimensional form data, a closed surface consisting of longitudes and meridians is arranged so as to inscribe a three-dimensional form model, and the longitudes and the meridians are projected to a surface of the three-dimensional form to generate parametric curves running along the surface. Then, control points of the parametric curves are moved to adjust the curves so that a part of the parametric curves in correspondence to the movement of the control point moves along the surface of the form model. The curves adjusted are taken as three-dimensional form data of the form model.